



TRACK WORK PLANNING

Coordinate and Optimize Construction Sites across the Network

One of the biggest challenges for train and infrastructure planners is to carry out track construction works while maintaining regular train operations. TPS.trackworks was developed to support this process.

With our TPS.trackworks software solution, all construction measures within your rail network can be managed in just one system. From strategic long-term planning to the coordination of individual construction projects – TPS.trackworks simplifies your processes and supports you in planning track works in such a way that they have the least possible impact on rail passengers.

The software helps to calculate the number of trains affected by a construction site, shows possible alternative routes, and indicates expected delays. As a multi-client capable system, it provides all parties involved with a unified view of existing maintenance projects – from the applicant of the measures to the timetable coordinator. With its intuitive web interface, TPS.trackworks simplifies the assignment of competencies and structures extensive workflows.

PRECISE LOCATION

An accurate representation of network infrastructure plans – including details such as signals and switches – assists coordinators with the accurate location of their track works.

MODERN WEB INTERFACE

With its interactive maps and graphical visualizations as well as a tablet-compatible responsive design, TPS.trackworks enables all parties involved at different locations to access all project details.

FLEXIBLY ADAPTABLE

In TPS.trackworks, procedures and responsibilities can be adapted to the process structures of your company – role-based rights for individual object attributes can be flexibly defined.

EASY SYNCHRONIZATION

TPS.trackworks can be synchronized with existing databases to update timetables and infrastructure data. When creating timetables, planned track construction works will be considered as infrastructure restrictions.

TPS.trackworks at a glance



QUESTIONS?
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- Web-based application
- Management of all track construction works in one single system
 - » Short-term measures can be combined with long-term projects
- Unified view
 - » All stakeholders have access to the up-to-date planning status of their relevant construction measures
- Integrated workflow engine
 - » All process steps are supported by a configurable workflow
- Precise location improves the quality of construction site planning
- Interactive user interface
 - » Responsive design, also suitable for tablets
 - » Interactive maps and visualizations
 - » Customizable interface
- Highly configurable
 - » Surfaces, processes and interfaces can be flexibly adapted to customer specifications
- Publishing of construction measures
 - » Export as XML, PDF or Excel

DB NETZE 8,000 users at DB NETZE work with TPS.trackworks to maintain 33,000 kilometres of track network.

The screenshot displays the TPS.trackworks web interface. On the left, a search results table is shown with columns for ID, Status, Art der Arbeiten, VE Art, VzG Streckennr., BSt von / BSt bis, Zeitraum, and Aktionen. The table lists various construction measures, such as 'Arbeiten am Bahnübergang' and 'Aufgehobene Signalabhängigkeit'. On the right, a map view shows the rail network with construction sites marked by colored dots. A legend in the bottom right corner identifies the colors for different track types: 1700 (black), 1701 (yellow), 1702 (red), 1703 (orange), and 1705 (green).

ID	Status	Art der Arbeiten	VE Art	VzG Streckennr.	BSt von / BSt bis	Zeitraum	Aktionen
IVE-1028	Entwurf	Arbeiten am Bahnübergang	Langsamfahrstelle	1000	Friedensweg - Flensburg Weiche	Unbekannt	🔍 📄 ✕
IVE-1029	Entwurf	Arbeiten am Bahnübergang	Anst nicht bedienbar	1700	Hannover Burg - Letter Abzw	Unbekannt	🔍 📄 ✕
IVE-1036	Entwurf	---	---	1720	Burgdorf	Unbekannt	🔍 📄 ✕
IVE-1037	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1038	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1055	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1065	Entwurf	Arbeiten am Bahnübergang	Aufgehobene Signalabhängigkeit	1220	Sbk1591 - Bordesahlm	Un gültig - Das Enddatum and die Endzeit müssen später als das Anfangsdatum und die Anfangszeit legen.	🔍 📄 ✕
IVE-1070	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1079	Entwurf	Arbeiten am Bahnübergang	Aufgehobene Signalabhängigkeit	1234	Hmb-Eidelst Ef	23.10.2019 - 25.10.2019, Fr - Mo, jeweils 00:00 Uhr - 00:00 Uhr, 0*24h	🔍 📄 ✕
IVE-1113	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1151	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1175	Anmeldungsentwurf zugestimmt	Gleiserneuerung	Langsamfahrstelle	1700	Sbk2 - Sbk102	Un gültig - Das Enddatum and die Endzeit müssen später als das Anfangsdatum und die Anfangszeit legen.	🔍 📄 ✕
IVE-1200	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕
IVE-1228	Entwurf	---	---	---	---	Unbekannt	🔍 📄 ✕

THE RESPONSIVE WEB INTERFACE

With the TPS.trackworks search function, all construction sites can be filtered according to selected criteria. This results in a list overview of current and future planned measures in the selected rail network (left part of the screen). With the map view (right), the construction objects can also be visually located and edited.



We make mobility as easy as it gets: For passengers and for transport providers. Our software solutions ensure that passengers get from A to B comfortably and seamlessly – from trip planning, reservations, passenger communication and mobile ticketing to comprehensive MaaS solutions and On-Demand-Services. We support transport providers with fleet, disruption and data management, timetabling and live dispatching tools. We are: Siemens Mobility, Hacon, Sqills, eos.uptrade, Bytemark and Padam Mobility.